



National Space Science & Technology Center
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Workshop for the Deep Space Test-Bed for Radiation Shielding Studies

A workshop is being organized to provide inputs for the design of NASA's Balloon-borne Deep Space Test-Bed (DSTB). The workshop will gather information from the potential user community for the DSTB definition study and initiate coordination between the user community and the DSTB designers and operations team. The agenda will focus on identifying the requirements of individual investigations that may be conducted on the DSTB gondola using sub-orbital circumpolar balloon-borne flights and to identify requirements for the ground support facilities. It will also provide potential users of the DSTB with information concerning polar balloon flight operations and DSTB capabilities.

The objectives of the DSTB are:

- 1) Provide a platform for direct exposure to the Galactic cosmic ray composition and full energy spectrum.
- 2) Enable experimental validation of NASA's radiation transport codes used for shielding materials studies
- 3) Test shielding effectiveness of typical as well as novel spacecraft materials
- 4) Testing new radiation monitoring instrumentation
- 5) Measurement of the incident and induced radiation

You are considered a potential user of the facility as an experimentalist with recent ties to NASA's Radiation Shielding Program or an expressed interest in conducting future investigations on the DSTB. I am requesting your assistance in reaching other potential users of the DSTB and in selecting possible meeting date(s) in the near future. Please indicate your interest in participating (or not) in the DSTB definition workshop and your available dates. Prospective users not listed on this mailing can be added to the distribution by providing their names and institutional affiliations through your response or separately.

Additional information regarding the DSTB meeting and further organizational details will be provided through follow-up mailings and on the DSTB website.

Sincerely,

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